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From: Kate Asher for Al Fasulo
Office of Patent Counsel
The Johns Hopkins University/Applied Physics Laboratory

Date: April 25, 2007

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NUMBER OF PAGES (INCLUDING COVER SHEET): 35

Re: Application No. 10/611,487; Confirmation No. 3320; by Jerry A. Krill

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STATEMENT BY APPLICANT

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Examiner Initials*	Cite No.*	Document Number Number-Kind Code ² & Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,062,150	10/29/1991	SWANSON et al.	
		US- 5,218,467	6/12/1993	ROSS et al.	
		US- 5,282,073	1/25/1994	DEFOUR et al.	
		US- 5,465,170	11/7/1995	ARIMOTO	
		US- 5,552,920	9/3/1996	GLYNN	
		US- 5,592,320	1/7/1997	WISSINGER	
		US- 5,654,750	7/29/1997	DENT et al.	
		US- 5,659,413	8/19/1997	CARLSON	
		US- 5,661,582	8/26/1997	KINTS et al.	
		US- 5,710,652	1/20/1998	BLOOM et al.	
		US- 5,777,768	7/7/1998	KOREVAAR	
		US- 5,892,864	4/1/1999	STOLL et al.	
		US- 5,923,452	7/13/1999	CARLSON	
		US- 5,979,830	11/9/1999	KELLER MEIER	
		US- 6,043,918	3/28/2000	BOZZAY et al.	
		US- 6,097,582	8/11/2000	MAERKI et al.	
		US- 6,181,450	11/30/2001	DISHMAN et al.	
		US- 6,222,658	4/24/2001	DISHMAN et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document (Country Code) Number-Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*

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Sheet

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of 3

Application Number	10/611,487
Filing Date	7/1/03
First Named Inventor	JERRY A. KRILL
Art Unit	2621
Examiner Name	Nhan Diap
Attorney Docket Number	1717-SPL

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Document Number Number+Kind Code* —	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,046,498	6/12/2000	DISHMAN et al.	
		US-6,046,501	6/12/2000	DREISCHER et al.	
		US-6,059,544	7/10/2000	DISHMAN et al.	
		US-US01/001,0141	8/7/2000	CARLSON	
		US-6,297,897	10/2/2000	CZICZY et al.	
		US-6,304,354	10/16/2000	CARLSON	
		US-US01/0039189	11/8/2000	COX	
		US-6,323,980	11/27/2000	BLOOM	
		US-6,335,811	11/1/2000	SAKANAKH	
		US-Related, Copending, Coowned			
		US-App No 10/317,456, filed 12/12/02		Krill et al.	
		US-			

FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/611,487	
(Use as many sheets as necessary)				Filing Date	7/4/03	
Sheet	3	of	7	First Named Inventor	JERRY A. KRILL	
				Art Unit	2621	
				Examiner Name	Nhoai Diep	
				Attorney Docket Number		1717-SPL

NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.		T ²
	1	LASERS IN SPACE TECHNOLOGICAL OPTIONS FOR ENHANCING US MILITARY CAPABILITIES BY MARK E. ROGERS, NOV. 1997, CENTER FOR STRATEGY AND TECHNOLOGY		
	2	SILEX: THE FIRST EUROPEAN OPTICAL COMMUNICATION TERMINAL IN ORBIT, BY TOLKER-NIELSEN, Nov. 1998		
	3	OPTICAL TRACKING TELE METRY AND COMMANDING (TT+C) FOR SMALL SATELLITES, ENOCH, 13 th AIAA/USU Conf. on small satellites		
	4	NASA EARTH SCIENCE ENTERPRISE, TECHNOLOGY PLANNING WORKSHOP, FU LI, 1/23-24/2001		

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